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**PATENT**  
Attorney Docket No.: COOL-01800

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: ) Group Art Unit: 3743  
Kenneth Goodson et al. ) Examiner: Terrell L. McKinnon  
Patent No.: 7,104,312 B2 )  
Serial No.: 10/698,304 )  
Filed: October 30, 2006 )  
Issued: September 12, 2006 )  
For: **METHOD AND APPARATUS FOR** )  
**ACHIEVING TEMPERATURE** )  
**UNIFORMITY AND HOT SPOT** )  
**COOLING IN A HEAT** )  
**PRODUCING DEVICE** )  
Attn.: Decision and Certificate of Correction  
Branch of the Patent Issued Division  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Enclosed please find a Request for Certificate of Correction of Patent No. 7,104,312 B2 including Form PTO 1050 in duplicate for filing with the U.S. Patent and Trademark Office.

The Commissioner is hereby authorized to charge any additional fee or credit overpayment to our Deposit Account No. 08-1275. **An originally executed duplicate of this transmittal is enclosed for this purpose.**

Respectfully submitted,  
HAVERSTOCK & OWENS LLP

Dated: 9-29-06

By:   
Thomas B. Haverstock  
Reg No.: 32,571

Attorneys for Applicants

**CERTIFICATE OF MAILING (37 CFR§ 1.8(a))**  
I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited with the U.S. Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to the: Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450

HAVERSTOCK & OWENS LLP

Date: 9-29-06 By: 

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*OCT 05 2006*  
*of Correction*  
**OCT - 6 2006**



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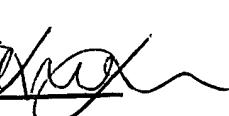
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HAVERSTOCK & OWENS LLP.

Date: 9/29/06 By: 

OCT - 6 2006



PATENT  
Attorney Docket No.: COOL-00302

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: ) Group Art Unit: 3743  
Kenneth Goodson *et al.* )  
Patent No.: 7,104,312 B2 ) Examiner: Terrell L. McKinnon  
Serial No.: 10/698,304 )  
Filed: October 30, 2003 ) **REQUEST FOR CERTIFICATE OF**  
Issued: September 12, 2006 ) **CORRECTION OF PATENT FOR**  
For: **METHOD AND APPARATUS FOR** ) **U.S.P.T.O. MISTAKES UNDER 37 C.F.R.**  
**ACHIEVING TEMPERATURE** ) **§ 1.322**  
**UNIFORMITY AND HOT SPOT** )  
**COOLING IN A HEAT** ) 162 North Wolfe Road  
**PRODUCING DEVICE** ) Sunnyvale, California 94086  
 ) (408) 530-9700  
 )  
 ) Customer No. 28960

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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**Attn: Decision and Certificate of Correction  
Branch of the Patent Issue Division**

Sir:

Attached in duplicate is Form PTO-1050, with at least one copy being suitable for printing. The corrections stated in the attached Form PTO-1050 recite the corrections stated below.

Below, column and line numbers refer to U.S. Patent Number 7,104,312, titled "Method and Apparatus for Achieving Temperature Uniformity and Hot Spot Cooling in a Heat Producing Device," and issued September 12, 2006. Page and line numbers refer to the corresponding U.S. Patent Application Serial Number 10/439,912 (the '912 application), filed May 16, 2003.

PATENT  
Attorney Docket No.: COOL-00302

**CORRECTION OF PATENT OFFICE'S  
MISTAKES UNDER 37 C.F.R. § 1.322**

The following are mistakes made by the U.S. Patent Office. The exact page and line number where the errors are shown correctly in the application file are given below.

In the References Cited

On page 4, under OTHER PUBLICATIONS, please replace "Jerry K. Keskn, Ph.D." with "Jerry K. Keska, Ph.D." The name is shown correctly in the Information Disclosure Statement mailed on April 30, 2004.

In the Claims

In column 23, line 59, Claim 42 (b), please replace:

"a second layer coupled to the first layer for channeling fluid to the first layer and for channeling fluid from the first layer, wherein the heat exchanger is configured to minimize temperature differences along the heat source"

with:

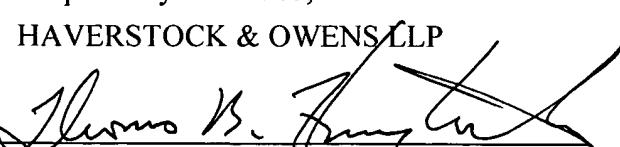
"a second layer coupled to the first layer for channeling selectable, non-uniform amounts of fluid to one or more predetermined locations within the first layer and for channeling fluid from the first layer, wherein the one or more predetermined locations within the first layer correspond to one or more predetermined locations on the heat source, further wherein the heat exchanger is configured to minimize temperature differences along the heat source."

This amendment as corrected was first mailed February 22, 2005 in response to the office action sent December 21, 2004. The amended claim also appears as corrected in the amendment filed April 21, 2005.

Respectfully submitted,

HAVERSTOCK & OWENS LLP

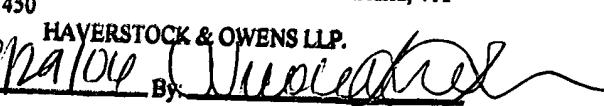
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Thomas B. Haverstock  
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Attorneys for Applicant(s)

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- 2 -

  
HAVERSTOCK & OWENS LLP.  
Date: 9/29/06 By: Unocal

OCT - 6 2006

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,104,312 B2

DATED : September 19, 2006

INVENTOR(S) : Kenneth Goodson, Thomas W. Kenny, Peng Zhou, Mark Munch, Girish Upadhy, Mark McMaster, James Horn

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby correct as shown below:

IN THE REFERENCES CITED - OTHER PUBLICATIONS - p. 4

Please replace "Jerry K. Keskn, Ph.D." with "Jerry K. Keska, Ph.D." The name is shown correctly in the Information Disclosure Statement mailed on April 30, 2004.

IN THE CLAIMS - COLUMN 23, LINE 59, CLAIM 42(B)

Please replace:

"a second layer coupled to the first layer for channeling fluid to the first layer and for channeling fluid from the first layer, wherein the heat exchanger is configured to minimize temperature differences along the heat source"

with:

"a second layer coupled to the first layer for channeling selectable, non-uniform amounts of fluid to one or more predetermined locations within the first layer and for channeling fluid from the first layer, wherein the one or more predetermined locations within the first layer correspond to one or more predetermined locations on the heat source, further wherein the heat exchanger is configured to minimize temperature differences along the heat source."

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MAILING ADDRESS OF SENDER:  
**HAVERSTOCK & OWENS LLP**  
162 North Wolfe Road  
Sunnyvale, CA 94086

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